Name of Journal: *World Journal of Cardiology*

Manuscript NO: 61910

Manuscript Type: ORIGINAL ARTICLE

Prospective Study

Elevated interleukin-6 Levels are associated with impaired outcome in cardiac ATTR amyloidosis

Abstract

BACKGROUND

Elevated IL-6-levels have been described in familial transthyretin amyloid (ATTRv) polyneuropathy and heart failure. However, interleukin (IL)-6 in cardiac ATTR amyloidosis (ATTR-CM) and its prognostic value have not been investigated yet.

AIM

60,400 Results Any time

Systemic amyloidosis from A (AA) to T (ATTR): a review ...

https://onlinelibrary.wiley.com/doi/10.1111/joim.13169

Sep 14, 2020 · Cardiac imaging has transformed the diagnostic field of **ATTR amyloidosis**. Bone scintigraphy using technetium-labelled bisphosphonate (99m Tc-DPD, 99m Tc-HMDP or 99m Tc-PYP) can show myocardial uptake in patients with **ATTR** cardiac **amyloidosis** (Figure 5a). In the absence of a monoclonal protein, a positive bone scintigraphy is highly ...

Author: E. Muchtar, A. Dispenzieri, H. Magen,... **Publish Year:** 2020

Diagnosis and Management of the Cardiac Amyloidoses ...

https://www.ahajournals.org/doi/10.1161/CIRCULATIONAHA.104.489187

Cardiac **amyloidosis** is a manifestation of one of several systemic diseases known as the amyloidoses. 1,2 This uncommon disease is probably underdiagnosed, and even when a diagnosis of **amyloidosis** of the heart is made, the fact that there are several types of amyloid, each with its unique features and treatment, is often unrecognized. This can lead to errors in management and in the information ...

Cited by: 818 **Author:** Rodney H. Falk
Publish Year: 2005

[PDF] Cardiac Amyloid: Contemporary Approach to Diagnosis ...

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Types of Cardiac **Amyloidosis** Features AL HATTR Wild Type **ATTR** Precursor protein Light chain Mutant **ATTR ATTR** Average age 55 (30-75) 50 (30-70) 75 (60-100) Gender, % male 60 80 95 Cardiac involvement ~30 Variable All Fat pad biopsy% >70 <20 <20 Primary referral Hematology Cardiology Nephrology Neurology Cardiology Cardiology Extra-cardiac ...

Diagnosis of cardiac amyloidosis: a systematic review on ...

https://bmccardiovascdisord.biomedcentral.com/...

Dec 04, 2018 · Cardiac **Amyloidosis** (CA) pertains to the cardiac involvement of a group of diseases, in which misfolded proteins deposit in tissues and cause progressive organ damage. The vast majority of CA cases are caused by light chain **amyloidosis** (AL) and transthyretin **amyloidosis** (**ATTR**). The increased awareness of these diseases has led to an increment of newly diagnosed cases each year.

Cited by: 17 **Author:** Panagiota Kyriakou, Dimitrios Mouselimi...
Publish Year: 2018

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Interleukin-6 in renal disease and therapy | Nephrology ...
https://academic.oup.com/ndt/article/30/4/564/2324718
Jul 10, 2014 · For example, high **IL-6 levels** contribute to **dialysis associated** malnutrition [13, 14] and are prognostic of **cardiovascular risk** , which is an adverse **outcome** of haemodialysis . Here, **systemic elevations** in **IL-6** likely arise from the liver, muscle and the inflammatory activation of stromal tissues or myeloid cells (Table 2).
Cited by: 58 **Author:** Simon Arnett Jones, Donald James Fraser, ...
Publish Year: 2015

PEOPLE ALSO ASK

What is cardiac amyloidosis?

What is the prognosis of amyloid cardiomyopathy?

What is AL amyloidosis?

What is therapeutic approach to cardiac amyloidosis?

Feedback

Diagnosis of cardiac amyloidosis: a systematic review on ...
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Dec 04, 2018 · Cardiac **Amyloidosis** (CA) pertains to the cardiac involvement of a group of diseases, in which misfolded proteins deposit in tissues and cause progressive organ damage. The vast majority of CA cases are caused by light chain **amyloidosis** (AL) and transthyretin **amyloidosis** (**ATTR**). The increased awareness of these diseases has led to an increment of newly diagnosed cases each year.
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Reversible Cardiomyopathy Associated with Multicentric ...
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While IL6 plasma **levels** are **elevated** and **associated** with an **impaired** prognosis in advanced heart failure, little is known about the intracardiac expression of the IL6 system.

Natural History, Quality of Life, and Outcome in Cardiac ...
https://www.ahajournals.org/doi/10.1161/CIRCULATIONAHA.118.038169
Introduction Methods Results Discussion Acknowledgments
Editorial, see p 27 Transthyretin amyloidosis cardiomyopathy (ATTR-CM) has of late been increasingly recognized as a cause of heart failure in older individuals, reflecting advances in imaging technology and greater awareness of the disorder. Although it has long been known from autopsy studies that amyloid deposits derived from plasma transthyretin (TTR) are present in the hearts of up to 25% of elderly people,1,2 the associated clinical syndrome, predominantly comprising older men with restrictive cardio...
See more on ahajournals.org
Cited by: 77 **Author:** Thirusha Lane, Marianna Fontana, Ana Mar...
Publish Year: 2019

Cardiac amyloidosis: A comprehensive review - ScienceDirect
https://www.sciencedirect.com/science/article/pii/S0010865012001361
Feb 01, 2013 · 2.1. Light chain (AL) **amyloidosis**. Light chain (AL) **amyloidosis** is the most commonly diagnosed form of amyloid disease in developed countries , .Both genders are nearly equally affected (with slight predominance of men over women) and the disease is usually diagnosed at the age of 55–60 years .AL **amyloidosis** is **associated** with various B cell lymphoproliferative disorders encompassing ...

AL (Light-Chain) Cardiac Amyloidosis: A Review of ...
https://www.sciencedirect.com/science/article/pii/S0735109716346046
Sep 20, 2016 · The pathophysiology of cardiac AL **amyloidosis** differs from that of **ATTR amyloidosis**. Specifically, although both diseases **are associated** with extracellular fibril deposition within the myocardium, which leads to passive myocardial restriction and dysfunction, clinical observations have suggested that the severity of heart failure in AL **amyloidosis** is more severe than in TTR **amyloidosis** ...

TTR Amyloidosis with Cardiomyopathy (Transthyretin Amyloid ...
https://www.symptoma.com/en/info/ttr-amyloidosis-with-cardiomyopathy
TTR **amyloidosis** is short for transthyretin **amyloidosis**, a disease that is characterized by cardiomyopathy and/or slowly progressive peripheral sensorimotor and/or autonomic neuropathy. Other organs, such as meninges, kidneys, and eyes, may also be involved. In patients suffering from TTR **amyloidosis with** cardiomyopathy (**ATTR**-CMP), the accumulation of amyloid fibrils derived from either wild ...

[Full text] Dialysis-related amyloidosis: challenges and ...
https://www.dovepress.com/dialysis-related...
It is to be considered that cardiac involvement is frequent in AL **amyloidosis**, but is rare in β2M **amyloidosis** as well as in AA **amyloidosis**. 34. Serum β2M **levels** are increased in patients with ESRD on dialysis treatment; **levels** in plasma typically range from 30 to 50 mg/L, much higher than the normal values (between 0.8 and 3.0 mg/L). 4 ...

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Cardiac **amyloidosis** is a manifestation of one of several systemic diseases known as the amyloidoses. 1,2 This uncommon disease is probably underdiagnosed, and even when a diagnosis of **amyloidosis** of the heart is made, the fact that there are several types of amyloid, each with its unique features and treatment, is often unrecognized. This can lead to errors in management and in the information ...
Cited by: 830 **Author:** Rodney H. Falk
Publish Year: 2005

AL - Amyloidosis Foundation
https://amyloidosis.org/facts/al
In the United States, AL **amyloidosis** is the most common type, with approximately 4,500 new cases diagnosed every year. It usually affects people from ages 50-80, although there are a few cases of people being diagnosed as early as their late 20s.

PEOPLE ALSO ASK

What is cardiac amyloidosis?

What is the protein level of amyloidosis?

What is AL amyloidosis test?

Feedback

[PDF] Diagnosis, Prognosis, and Therapy of Transthyretin Amyloidosis
https://fapcyprus.org/wp-content/uploads/ATTR...

Amyloidosis
Medical Condition

A condition in which amyloid proteins build up on organs like heart, kidney and liver.

- Very rare (Fewer than 20,000 cases per year in US)
- Requires lab test or imaging
- Treatments can help manage condition, no known cure
- Can be lifelong

An abnormal protein named amyloid, is produced in the bone marrow. It can get deposited on various organs like heart, kidney, liver, spleen, digestive tract, and nervous system. Specific causes depend on the type of amyloidosis. It has few symptoms at an early stage and more symptoms can be seen at an advanced stage. It cannot be cured but can be controlled with the help of medical treatment.

Symptoms

Symptoms show up at an advanced stage of the condition, depending on the type of amyloidosis.

- Swollen ankles and legs
- Severe fatigue
- Shortness of breath
- Significant weight loss
- Difficulty in swallowing
- Tingling, numbness or pain in the hands, wrist or feet
- Enlarged tongue
- Irregular heart beat
- Diarrhea, sometimes with the blood
- Easy bruising, thickening or purplish patches on the skin

Treatments

Treatment in this disease depends upon the type of Amyloidosis.

Medical procedures: Chemotherapy with stem cell transplant · Liver transplantation · Kidney transplantation